ALEX CUI

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EXPERIENCE

● **SmartBot360,** Research Intern   Mar. 2019 - Current
  ◦ Redesigned pages in the front end for a better UI/UX using Angular, and also added new features for users.
  ◦ Wrote numerous SQL queries in Java to send and receive data in the back end.
  ◦ Decreased the time to display core analytics from the database by more than 50%.
  ◦ Responded to design-related and functionality-related feedback and made adjustments accordingly.

PROJECTS

● **Depush**   Mar. 2020
  ◦ Created a Google Chrome extension that notifies you when new items are uploaded onto Depop.com.
  ◦ Refreshes itself in the background periodically and uses the Chrome API to store your saved search terms.
  ◦ Inspired by the same feature in the Depop app and the want for an improved version of it on the web.

● **Piano Tiles**   Feb. 2019 - Mar. 2019
  ◦ Reproduced the popular game app, "Piano Tiles," on a breadboard.
  ◦ Features sound effects, a score keeper, and the option to restart.
  ◦ Utilizes Atmel Studio 7 and an ATMega1284 microcontroller, along with various breadboard components.

● **RedditBot**   Nov. 2018
  ◦ Built a bot that utilizes the API to send responses to users based on the content of their comment.
  ◦ Oversaw a team and ensured the project's completion.
  ◦ Introduced new ideas on how to develop the project while debugging compile-time errors.

● **RShell**   Nov. 2018 - Dec. 2018
  ◦ Developed a program that replicates basic Bash commands using C++ and Linux system calls.
  ◦ Led the team and unit tested the project as it progressed.
  ◦ Utilized the composite design pattern and wrote a majority of the code.

SKILLS

● **Languages:** C++, HTML, CSS, Javascript, TypeScript, Angular, Java, SQL
● **Tools:** Git, Bootstrap, MySQL, Node.js

ACTIVITIES

● **Organization**, ACM   Apr. 2018 - Current
  ◦ Active member and previously received guidance in the mentorship program.

● **Hackathon**, Cutie Hack   Nov. 2018
  ◦ Worked with a team and demoed RedditBot to a panel of judges.

EDUCATION

University of California Riverside
B.S. Computer Science 2021